## IN THE CLAIMS:

Please cancel claims 1-14 and add the following new claims:

Claims 1-14 (Cancelled).

- 15. (New) A method for security verification of a message (Msg) having a message owner and being transmitted and received in electronic form, comprising the steps of:
  - on the transmitting side,

associating with the message for its subsequent security verification a univocal message identifier ( $\mathrm{ID}_{Msg}$ ) and a checking username ( $\mathrm{ID}_{CR}$ ) associated with the message owner for checking the identity of the message owner, at least said checking username ( $\mathrm{ID}_{CR}$ ) being assembled with the message and transmitted therewith, said assembling taking place by inserting the message identifier ( $\mathrm{ID}_{Msg}$ ) into the message (Msg) and applying a coding operation previously associated with said message owner to the result of the insertion, and

transmitting the message using a transmitting device, and

- on the receiving side for security verification of a received message (Msg),

receiving the received message by a receiving device;

comparing the message identifier ( $\mathrm{ID}_{Msg}$ ) of the received message with previously received message identifiers and signaling whether or not a message having the same univocal message identifier ( $\mathrm{ID}_{Msg}$ ) associated therewith was previously received,

applying a decoding operation associated with a supposed owner of the received message to the checking username ( $\mathrm{ID}_{CR}$ ) of the owner associated with the received message to obtain an identifier ( $\mathrm{ID}_{DCR}$ ), and

ascertaining and signaling whether or not agreement exists between the univocal message identifier

 $(\mathrm{ID}_{Msg})$  associated with the received message and the identifier  $(\mathrm{ID}_{DCR})$  obtained by said decoding operation performed on the checking username  $(\mathrm{ID}_{CR})$ .

- 16. (New) The method in accordance with claim 15 further comprising, before transmission, assembling the univocal message identifier ( $\mathrm{ID}_{Msg}$ ) and the checking username ( $\mathrm{ID}_{CR}$ ) for checking the identity of the message owner in a unique compound identifier ( $\mathrm{ID}_{T}$ ).
- 17. (New) The method in accordance with claim 15 wherein on the transmitting side, with the message to be transmitted is also associated an owner identifier ( $\mathrm{ID}_{\mathrm{owner}}$ ) and on the receiving side the decoding operation to be applied is selected from among a plurality of possible decoding operations on the basis of the owner identifier ( $\mathrm{ID}_{\mathrm{owner}}$ ) associated with the received message.
- 18. (New) The method in accordance with claim 15 wherein the coding and decoding operations are keyed encryption and decryption operations.

- 19. (New) The method in accordance with claim 18 wherein encryption and decryption operations include public/private key.
- 20. (New) The method in accordance with claim 15 wherein ascertainment of the agreement between the univocal message identifier ( $\mathrm{ID}_{Msg}$ ) associated with the message received and the identifier ( $\mathrm{ID}_{DCR}$ ) includes verifying that said univocal message identifier ( $\mathrm{ID}_{Msg}$ ) and said identifier ( $\mathrm{ID}_{DCR}$ ) are the same.
- 21. (New) A system for performing security verification of a message (Msg) having a message owner and being transmitted by a transmitter and received by a receiver in electronic form comprising:
  - in the transmitter,
    - a generator for generating a univocal message identifier ( ${\rm ID}_{Msq}$ ),
    - an encoding device configured to receive the message identifier ( ${\rm ID}_{Msg}$ ), insert said message identifier ( ${\rm ID}_{Msg}$ ) into the message (Msg), and apply a coding operation previously associated with said message owner to the result of the insertion to obtain a checking username

 $(\mathrm{ID}_{CR})$  associated with the message to be transmitted for checking the identity of the message owner,

- a transmission element which associates the coded message and the checking username (ID\_{CR}) to be transmitted with the univocal message identifier (ID\_{Msg}), and
- in the receiver for security verification of a received message (Msg),
  - a control device configured to compare the message identifier ( $ID_{Msg}$ ) of the received message with previously received message identifiers to determine whether or not a message having the same univocal message identifier ( $ID_{Msg}$ ) associated therewith was previously received,
  - a decoding device configured to receive the checking username ( $\mathrm{ID}_{CR}$ ) associated with the received message and apply a decoding operation associated with a supposed owner of the received message to the checking username

(ID  $_{CR}$  ) of the owner associated with the received message to obtain an identifier (ID  $_{DCR}$  ), and

- a verification device configured to ascertain and signal whether or not agreement exists between the univocal message identifier ( $\mathrm{ID}_{Msg}$ ) associated with the received message and the identifier ( $\mathrm{ID}_{DCR}$ ) obtained by said decoding operation performed on the checking username ( $\mathrm{ID}_{CR}$ ).
- 22. (New) The system in accordance with claim 21 wherein the encoding and decoding devices are keyed encryption and decryption devices.
- 23. (New) The system in accordance with claim 22 wherein the encryption and decryption devices are public/private key devices.
- 24. (New) A device for associated of security verification factors with a message (Msg) having a message owner and being transmitted in electronic form comprising:

- a generator for generating a univocal message identifier  $$(\ensuremath{\mathtt{ID}}_{\ensuremath{\mathsf{Msg}}})$\,,$
- an encoding device configured to receive the message identifier ( $\mathrm{ID}_{Msg}$ ), insert said message identifier ( $\mathrm{ID}_{Msg}$ ) into the message (Msg), and apply a coding operation previously associated with said message owner to the result of the insertion to obtain a checking username ( $\mathrm{ID}_{CR}$ ) associated with the message to be transmitted for checking the identity of the message owner, and
- a component which associates the coded message and the checking username (ID\_{CR}) to be transmitted with the univocal message identifier (ID\_{Msq}).
- 25. (New) The device in accordance with claim 24 wherein the encoding device is a keyed encryption device.
- 26. (New) The device in accordance with claim 24 wherein said device is configured to issue a compound identifier ( $\mathrm{ID}_{\mathtt{T}}$ ) made up of a combination of the univocal message identifier ( $\mathrm{ID}_{\mathtt{Msq}}$ ) and the

checking username (ID  $_{\! CR}\!)$  for checking the identity of the message owner.